In re Patent Application of:
JIANG ET AL.
Serial No. **09/651,140**
Filed: **AUGUST 30, 2000**

IN THE DESCRIPTION

Please amend the Paragraph extending from Page 15, line 22 to Page 16, line 19, with the following rewritten paragraph.

The transmitter 110 and the receiver 111 are aligned and coupled to the optical block 120 in the openings 128 and 127 respectively. The transmitter 110 includes an emitter 125 for generation of light or photons. The receiver 111 includes a detector 126 to receive light or photons. Light or photons emitted by the emitter 125 are coupled into lens 123, collected and focused into the optical fiber through the optical port 129. Light or photons, incident from a fiber optic cable coupled to the fiber optic module 100, is received through the optical port 130. Photons from the fiber optic cable are incident upon the lens 121. Lens 121 collects and focuses the incident light or photons from the fiber optic cable onto the detector 126 of the receiver 111. In order to keep the optical fibers 101 in alignment with the optical block 120, the fiber ferrules 131 are provided. The fiber ferrules 131 are inserted into the optical ports 129 and 130 of the optical block 120. While a light transmitter 110 and light receiver 110 are illustrated, optical subassembly 103' may include two light transmitters or two light receivers 111. The optical element 103 includes a plurality of optical blocks 120 ~~102~~ coupled to one or more EEs 104 to form fiber optic modules with various numbers of channels of various types (i.e. transmit, receive, or transceive combinations).

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Please amend the Paragraph extending from Page 16, line 20 to Page 17, line 13, with the following rewritten paragraph.

Referring now to Figure 4A, a disassembled view of the fiber optic (transmit/receive) module 100, a module cage 170, and a host printed circuit board (PCB) 180 of an embodiment of the present invention is illustrated. The fiber optic module (transmit/receive) ~~module~~ 100 has a pair of optical subassemblies 103', as in Figure 3, with two optical blocks 120 ~~102~~ each having two LC receptacles 161 for coupling to fiber optic cables 101. A four-channel LC receptacle optical block can be used instead of using two duplex LC receptacle blocks. The fiber optic module 100 also includes guide rails 162 on opposite sides of the PCB 106 as shown. In the preferred embodiment, the guide rails 162 are at edges of PCB 106 and include an exposed conductive portion of the ground plane 114 on top and/or bottom surfaces of the edge of the PCB 106 which extend outside the shielded housing 119.